THE IC ENGINE WORK GROUP STATUS REPORT - FEBRUARY 9, 1998

EMISSIONS SUBGROUP:
Accomplishments since last meeting:

Since the November meeting of the Coordinating Committee, the Emissions Subgroup has continued to work on implementation of the RICE Test Plan, through two ad-hoc groups: the Diesel Ad-Hoc Group and the Testing Issues Ad-Hoc Group. In addition, the Subgroup has formed an ad-hoc group to review the fuels not covered by the RICE Test Plan (the Other Fuels Ad-Hoc Group) and an ad-hoc group to review above-the-floor MACT alternatives (the Next Steps Ad-Hoc Group).

The Diesel Ad-Hoc Group was established to review the available options for selection of a diesel unit for testing. Since the November CC meeting, the Diesel Ad-Hoc Group has arranged for the loan of the diesel engine specified in the RICE Test Plan (a Caterpillar 3500 series). The diesel engine will be provided by Caterpillar and will be installed at the Engines and Energy Conversion Laboratory at Colorado State University (CSU), Fort Collins, Colorado.

The Testing Issues Ad-Hoc Group was established to work on the remaining issues related to emissions testing and to coordinate implementation of the RICE Test Plan with the EPA testing contractor. Since the November CC meeting, the group has developed a preliminary schedule for the RICE emissions testing at CSU and has worked with the EPA Emissions Monitoring Division (EMD) on the remaining testing issues.

The Other Fuels Ad-Hoc Group was established to review MACT issues for engines using fuels other than natural gas and diesel. These "other" fuels are not addressed in the current RICE Test Plan. The group is in the process of reviewing the available population and emissions information for engines using other fuels. The group also will work with the Population Subgroup on the preliminary MACT floor for engines using other fuels.

The Next Steps Ad-Hoc Group was established to begin work on above-the-floor MACT alternatives. The group currently is focused on the following three components of the above-the-floor MACT analysis: 1) preliminary subcategories, 2) applicable above-the-floor control technologies, and 3) cost information on controls. In addition, the group is beginning work on development of model units that would be used to evaluate above-the-floor MACT alternatives.

Current focus of tasks and activities for the work group:

The Emissions Subgroup is currently focused on the implementation of the RICE Test Plan and development of above-the-floor MACT alternatives.

Plans and objectives for work group between February and April:

The Emissions Subgroup will continue on the next steps to conduct the emissions testing outlined in the RICE Test Plan and to address engines using fuels other than natural gas and diesel fuel. In addition, the Subgroup will continue to develop information to evaluate above-the-floor MACT alternatives.

POPULATION SUBGROUP:

The population subgroup continues to make progress towards defining a preliminary MACT floors.

The work activities included:

1) USEPA provided written response to INGAA's comments for enhancing the database. Many of INGAA's suggestions and changes were made to the engine information.

2) Developed a new engine subcategorization chart. This PowerPoint chart provides a quick review of engine subcategorization based on the USEPA database.

3) Engine type statistical information and impact of INGAA's changes to the USEPA database.

4) An updated version of the RICE database is now available for review on the TTN.

We are making progress toward our next goals of:

1) Reviewing other data sources to determine how representative the USEPA database is,

2) Determining the types of catalytic controls used on different engines.

The Population Subgroup will hold a teleconference on February 4th to discuss direction toward: 1) MACT floor determinations, 2) Database representatives, and 3) Catalytic controls and engine types.